

temperature measurement

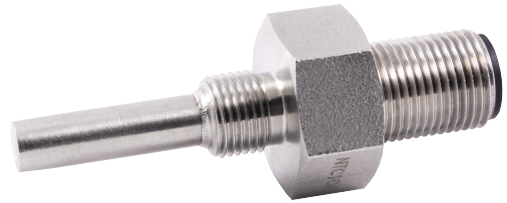
resistance thermometer WTR 425OEM

features

- resistance thermometer in compact design
- fast response time without reduced measuring tip
- temperature measuring resistor built directly into protective fitting
- electrical connection with plug M12 (connection cables see accessories)
- special designs on request

benefits WTR 425OEM

- **cost-optimized compact temperature sensor for machine and plant construction**
- **suitable for liquid and gaseous media**
- **optimal use of space due to very compact design**
- **fast electrical connection due to M12 connector**
- **resistant to harsh environmental influences, as there is no contact surface on the sensor**
- **fast response times, as the sensor element is installed in the protective fitting**



WTR 425OEM-9-G14-50-1A

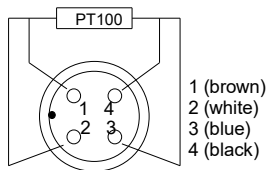
technical specifications

- protection fitting stainless steel 1.4401 (316)
- protection fitting outer diameter 6mm, other diameters on request
- different process connection threads possible
- temperature range: -50 °C to +150 °C (extended ranges on request)

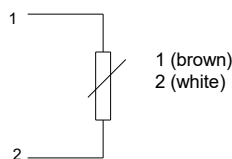
typical application areas

- temperature measurement in pipelines
- temperature measurement in vessels
- temperature measurement in harsh environments
- temperature measurement for fast process requirements
- temperature measurement on agricultural machines
- compact design, for confined installation sites
- quick sensor change due to connector system
- cost-effective measuring point

Pin assignment



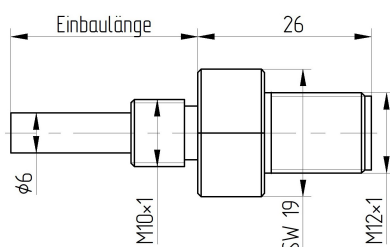
M12 plug (only PT100)



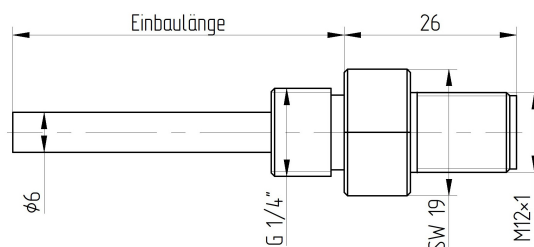
PT1000 2-wire

technical drawing (exemplary)

WTR 425OEM-9-M10...



WTR 425OEM-9-G14...



temperature measurement

resistance thermometer WTR 425OEM

order-code WTR 425OEM...

order example: WTR425OEM-9-G14-50-1A

connection type

-9 compact design, M12 plug, protection class IP69K

process connection

-M10 screw-in thread M10x1
 -M12 screw-in thread M12x1
 -M14 screw-in thread M14x1
 -G18 screw-in thread G1/8"
 -G38 screw-in thread G3/8"
 -G14 screw-in thread G1/4"

mounting length

-20 20 mm mounting length
 -28 28 mm mounting length
 -29 29 mm mounting length
 -30 30 mm mounting length
 -40 40 mm mounting length
 -50 50 mm mounting length
 -K mounting length on customer request

sensor type and tolerance

-1A 1x PT100 class A
 -1A2/PT1000 1x PT1000 2-wire class A
 -KX sensor type or tolerance on customer request

graduated prices and versions WTR 425OEM...

versions available from 10 pieces

WTR 425OEM-9-M10-28...1A or 1A2/PT1000
 WTR 425OEM-9-G14-50...1A or 1A2/PT1000
 WTR 425OEM-9-G18-30...1A or 1A2/PT1000

versions available from 50 pieces (combination freely selectable)

| | | | |
|------------------|------|-----|-------------|
| WTR 425OEM-9.... | -M10 | -20 | |
| | -M12 | -28 | |
| | -M14 | -29 | -1A |
| | -G18 | -30 | -1A2/PT1000 |
| | -G38 | -40 | |
| | -G14 | -50 | |

prices

| Number of pieces | Base price | |
|------------------|------------|--|
| 10 | 19,62€ | (Attention, not all versions available with this quantity) |
| 50 | 17,55€ | |
| 100 | 14,46€ | |
| 250 | 12,91€ | |
| 500 | 11,36€ | |

More on request!!!